

ABSTRACT OF THE DISCLOSURE

A method and apparatus to detect transition effects are described. A method comprises deriving at least one frame-based video stream, each video stream forms a time series scaled to form a temporal time series pyramid. A fixed-size window slides over the time series. Each fixed-sized time series window is analyzed by a transition detector which determines the probability of a transition effect existing within the window. The time series of transition probabilities are rescaled to the original temporal scale of the video under analysis and integrated into a final transition detection results. Each transition detector is trained by a transition synthesizer to detect transition effects.